

IN THE CLAIMS:

Please amend claim 10, cancel claims 11-20, and add claims 21-39 in accordance with the following listing showing the status of all claims in the application.

10. (Amended) A method for Enhancing the Visibility of images, of observation systems comprising:

- a) Focusing an image upon a plurality of pixels the observed scenery, or view, on a Light Controlled Panel;
- b) for each pixel of said plurality of pixels, determining the intensity of the light that falls upon the pixel; and Processing the focused image by the Light Controlled Panel such that the intensity of the observed scenery elements is controlled within the panel by the intensity of the light focused on each pixel within the Light Controlled Panel, thus generating an enhanced image;
- c) adjusting each pixel's effect on light as a function of the intensity determination corresponding to that pixel. Projecting the said enhanced image to the observer, with or without magnification.

11 to 20. (Cancelled)

21. (New) The method of claim 10, wherein the image is focused using an optical array comprised of optical devices.

22 (New) The method of claim 10, wherein the image can be of any frequency range in the spectrum

23. (New) The method of claim 10, wherein each pixel's effect on light is controlled by the pixel's own embedded light sensitive element.

24. (New) The method of claim 23, wherein the embedded light sensitive element comprises a transistor.

- 25.. (New) The method of claim 10, wherein the light falling upon said plurality of pixels is reprocessed using an optical array.
26. (New) The method of claim 10, wherein the image is collimated and manipulated such that the enhanced image appears to have originated from the observed scenery.
27. (New) The method of claim 10, wherein the image is collimated and manipulated such that the enhanced image is magnified.
- 28 (New) The method of claim 10 where the same devices used for focusing the observed scenery are used for directing and collimating the said enhanced image.
29. (New) The method of claim 10, wherein each pixel is controlled by adjusting the pixel's translucency.
30. (New) The method of claim 10, wherein each pixel is controlled by adjusting the pixel's reflectivity.
31. (New) The method of claim 10, wherein each pixel is controlled by adjusting the pixel's light polarization.
32. (New) The method of claim 10, wherein each pixel is controlled by adjusting the pixel's light rotation.
33. (New) The method of claim 10, wherein each pixel is controlled by adjusting the pixel's light direction.
34. (New) The method of claim 10, wherein each pixel is controlled by adjusting the pixel's light phase shift.
35. (New) A light controlled panel comprising:
a plurality of pixels:

for each pixel of said plurality of pixels, means for determining the intensity of light that falls upon the individual pixel; and

means for adjusting each pixel's effect on light as a function of the intensity determination corresponding to that pixel.

36. (New) The light controlled panel of claim 35, wherein each pixel is controlled by adjusting the pixel's translucency.

37. (New) The light controlled panel of claim 35, wherein each pixel is controlled by adjusting the pixel's reflectivity.

38. (New) The light controlled panel of claim 35, wherein each pixel is controlled by adjusting the pixel's light polarization.

39. (New) The light controlled panel of claim 35, wherein each pixel is controlled by adjusting the pixel's light rotation.

40. (New) The light controlled panel of claim 35, wherein each pixel is controlled by adjusting the pixel's light direction.

41. (New) The light controlled panel of claim 35, wherein each pixel is controlled by adjusting the pixel's light phase shift.

42. (New) The light controlled panel of claim 35, wherein said means for adjusting each pixel's effect on light comprises a plurality of control devices.

43. (New) The light controlled panel of claim 35, wherein each pixel has a corresponding control device.